

## CLAIMS

1. A picture block coding method with motion prediction, using a plurality of reference pictures which have undergone block effect filtering and selecting a  
5 reference picture from said reference pictures when coding a picture.
2. A picture block coding system with motion prediction, including a motion estimator receiving a picture to be coded and supplying motion vectors, a  
10 motion compensation predictor receiving the motion vectors and a reference picture and supplying an estimated picture, a reference picture memory storing at least two reference pictures and supplying one of said reference pictures to said predictor, and a block effect  
15 filter for filtering block effects from the reference pictures before the reference pictures are stored in the reference picture memory.
3. A picture block decoding method with motion prediction, including reconstituting a transmitted  
20 picture from a reference picture selected from a plurality of received reference pictures that have undergone block effect filtering.
4. The method of claim 3, in which block effect filtering is applied to the reconstituted pictures.
5. A picture block decoding method with motion  
25 prediction, including a decoder supplying motion vectors and a difference between the picture to be reconstituted and an estimator picture, a motion compensation predictor receiving the motion vectors and a reference picture and  
30 supplying an estimated picture, a reference picture memory storing at least two reference pictures and supplying one of said reference pictures to said predictor, and a block effect filter filtering block

09863311-052401

effects in the reference pictures before the reference pictures are stored in the reference picture memory.

6. The system of claim 5, including an adder receiving said difference and said estimated picture and supplying a reconstituted picture to said block effect filter.

7. A block coding transmission method with motion prediction, comprising:

- on coding, using a plurality of reference pictures that have undergone block effect filtering and selecting a reference picture from said reference pictures on coding a picture to be transmitted, and
- on decoding, reconstituting the transmitted picture from a reference picture selected from a plurality of received reference pictures that have undergone block effect filtering.

8. The method of claim 7, wherein transmission is at a low bit rate with a high error rate.

9. The method of claim 7, including applying block effect filtering to the reconstituted pictures.

10. A block coding transmission system with motion prediction including a coding system according to claim 2 and a decoding system according to claim 5.

11. A block coding transmission system with motion prediction including a coding system according to claim 2 and a decoding system according to claim 6.